

CLAIMS

1. A radio communication apparatus comprising:
 - a coding section that codes transmission data at a changeable coding rate;
 - 5 a modulation section that performs modulation using one of a plurality of modulation schemes; and
 - a control section that tentatively determines an MCS level in accordance with channel quality, compares the tentatively determined MCS level with an MCS level
 - 10 used in previous control, determines the tentatively determined MCS level when a level difference is within the predetermined fluctuation range or determines an MCS level having a level difference with respect to the MCS level used in previous control limited within the
 - 15 fluctuation range when the level difference exceeds the fluctuation range, and controls the coding section and the modulation section so as to have the determined MCS level.
- 20 2. The radio communication apparatus according to claim 1, comprising:
 - a detection section that detects a Doppler frequency; and
 - a determination section that determines the
 - 25 fluctuation range with respect to the MCS level used in previous control according to the detected Doppler frequency,

wherein the control section determines the MCS level by the determined fluctuation range.

3. The radio communication apparatus according to claim 5 2, wherein the determination section makes the fluctuation range large when the Doppler frequency is high, and makes the fluctuation range small when the Doppler frequency is low.

10 4. An MCS determination method comprising:
tentatively determining an MCS level in accordance with channel quality;
comparing the tentatively determined MCS level with an MCS level used in previous control; and
15 determining the tentatively determined MCS level when a level difference is within the predetermined fluctuation range or determining an MCS level having a level difference with respect to the MCS level used in previous control limited within the fluctuation range
20 when the level difference exceeds the fluctuation range.